Chemistry Report for Case # P-18-0231

General

Submitter: Allnex USA Inc.				
Contact: Daniel Liebowitz	Contact Telephone No.: (203) 834-0426			
TS No.: CR18B2				
Chemist: Yakal, Randy	Contractor Support: Y			
PV Init (kg/yr):	PV Max (kg/yr):			
Binding Option: \Box	Exposure-Based Review: ☑			
Manufacture:	Import: ☑			
CAS Number:				
Chemical Name:				
Trade Name: UCECOAT® 2802 WB radiation	curing resins, IRR 782			
IES Order:				
Generic Name: Alkanoic acid, substituted alkyl-, polymer with isocyanatoalkane, alkyl carbonate, alkanediol and polyalkylene glycol ether with alkyl(substituted alkyl) alkanediol alkenoate, glycerol monoacrylate alkanoate-blocked				
Chemical Structure				



Physical Chemical Properties

Molecular Formula: Molecular Weight:2470.0

% < **500:**2.3 % < **1000:**9.6

MP: MP Estimate:

BP: BP Pressure:

BP Estimate:>400

VP (Torr): VP Estimate (Torr):<0.000001

Water Soluble Estimate (g/L): Dispersible

Log P: Log P Estimate:

Physical State — Neat: Solid Physical State — Manuf: NK: Imported

(est.)

Physical State — Processing: Dispersion, 40.5% PMN material diluted to 12% in

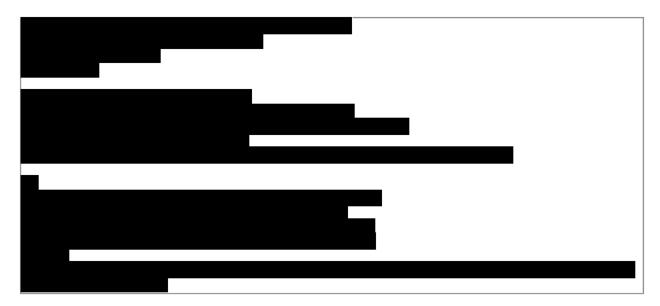
waterborne formulation

Physical State — End Use: Destroyed

Additional Chemical Info

Submitted

data: NAVG MW = 2470 by GPC with 2.3% less than 500 and 9.6% less than 1000 (chromatogram not provided). The submitted MSDS and physico-chemical properties are for PMN material in aqueous dispersion (pH 6-8.5). An IR spectrum was not provided. Estimated data: high boiling point and negligible vapor pressure (high molecular weight polymer); dispersible in water



Uses

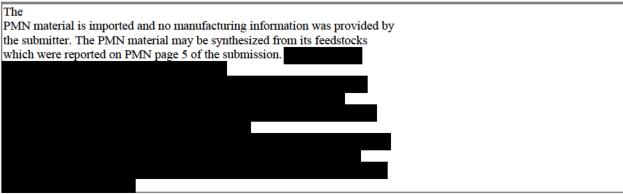
Consumer Use? No
Use:

Waterborne UV curable
resin/binder in inks or overprint varnishes used in inkjet, gravure
coating, and flexo-coating processes on a variety of substrates including
plastics and paper.

Other Uses:

No other
uses were found for the PMN material.

Reaction Description



Pollution Prevention Analysis(P2 Analysis:)

No

Pollution Prevention information was provided by the submitter.

Analogs

Analogs:		
Comments/Telephone L	og	
Artifact	Update/Upload Time	